



Standards *Actions*

DOE Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-1032-92, *Guide to Good Practices for Operations Organization and Administration*, December 1992, Change Notice No. 1, December 1998.
- DOE-STD-1033-92, *Guide to Good Practices for Operations and Administration Updates Through Required Reading*, December 1992, Change Notice No. 1, December 1998.
- DOE-STD-1034-93, *Guide to Good Practices for Timely Orders to Operators*, March 1993, Change Notice No. 1, December 1998.
- DOE-STD-1035-93, *Guide to Good Practices for Logkeeping*, March 1993, Change Notice No. 1, December 1998.
- DOE-STD-1036-93, *Guide to Good Practices for Independent Verification*, June 1993, Change Notice No. 1, December 1998.
- DOE-STD-1038-93, *Guide to Good Practices for Operations Turn-over*, June 1993, Change Notice No. 1, December 1998.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 1-800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The "recently published" documents listed above and the following documents were added to the TSP Internet Home Page during the month of December.

- DOE-STD-1037-93, *Guide to Good Practices for Operations Aspects of Unique Processes*, June 1993, Change Notice No. 1, December 1998.
- DOE-STD-1039-93, *Guide to Good Practices for Control of Equipment and System Status*, March 1993, Change Notice No. 1, December 1998.
- DOE-STD-1042-93, *Guide to Good Practices for Control Area Activities*, June 1993, Change Notice No. 1, December 1998.

- DOE-STD-1043-93, *Guide to Good Practices for Operator Aid Postings*, June 1993, Change Notice No. 1, December 1998.
- DOE-STD-1045-93, *Guide to Good Practices for Notifications and Investigation of Abnormal Events*, June 1993, Change Notice No. 1, December 1998.

Technical Standards Program Document Status as of 12/28/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	45	26	6

Total in process = 71

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local

ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination:

- ASME A18.1, *Safety Standard for Platform Lifts and Stairway Chairlifts* (new standard); comments due February 2, 1999.
- ASME B30.4b, *Portal, Tower, and Pedestal Cranes* (supplement to ANSI/ASME B30.4-1990); comments due February 2, 1999.



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

- ASME B30.11a, *Monorails and Underhung Cranes* (supplement to ANSI/ASME B30.11-1998); comments due February 2, 1999.
- ASME HST-2M, *Performance Standard for Hand Chain Manually Operated Chain Hoists* (revision of ANSI/ASME HST-2M-1989 (R1995)); comments due February 19, 1999.
- ASME NQA-1a, *Quality Assurance Requirements for Nuclear Facility Applications* (supplement to ANSI/ASME NQA-1-1997); comments due February 19, 1999.
- ASTM D1356-98, *Terminology Relating to Sampling and Analysis of Atmospheres* (revision of ANSI/ASTM D1356-97a); comments due February 2, 1999.
- ASTM D3685/D3685M-98, *Test Methods for Sampling and Determination of Particulate Matter in Stack Gases* (revision of ANSI/ASTM D3685/D3685M-92); comments due February 2, 1999.
- ASTM D4931, *Test Method for Gross Moisture in Green Petroleum Coke* (new standard); comments due February 19, 1999.
- ASTM D6186, *Test Method for Oxidation Induction Time of Lubricating Oils by Pressure Differential Scanning Calorimetry (PDSC)* (new standard); comments due February 19, 1999.
- ASTM D6245-98, *Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation* (new standard); comments due February 2, 1999.
- ASTM D6281-98, *Test Method for Airborne Asbestos Concentration in Ambient and Indoor Atmospheres as Determined by Transmission Electron Microscopy Direct Transfer (TEM)* (new standard); comments due February 2, 1999.
- ASTM E6-98, *Terminology Relating to Methods of Mechanical Testing* (new standard); comments due February 2, 1999.
- ASTM E8-98a, *Test Methods for Tension Testing of Metallic Materials* (new standard); comments due February 2, 1999.
- ASTM E9-89a(1995), *Test Methods of Compression Testing of Metallic Materials at Room Temperature* (new standard); comments due February 2, 1999.
- ASTM E23-96, *Test Methods for Notched Bar Impact Testing of Metallic Materials* (new standard); comments due February 2, 1999.
- ASTM E208-95A, *Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels* (new standard); comments due February 2, 1999.
- ASTM E251-92, *Test Methods for Performance Characteristics of Metallic Bonded Resistance Strain Gages* (new standard); comments due February 2, 1999.
- ASTM E1544-94, *Practice for Construction of a Stepped Block and its Use to Estimate Errors Produced by Speed-of-Sound Measurement Systems for Use on Solids* (new standard); comments due February 2, 1999.
- ASTM E1595-97a, *Practice for Evaluating the Performance of Mechanical Testing Laboratories* (new standard); comments due February 2, 1999.
- ASTM E1685-95, *Practice for Measuring the Change in Length of Fasteners Using the Ultrasonic Pulse-Echo Technique* (new standard); comments due February 2, 1999.
- AWS B5.7, *Specification for Welding Fabricator* (new standard); comments due February 19, 1999.
- AWS C1.1M/C1.1, *Recommended Practices for Resistance Welding* (new standard); comments due February 2, 1999.

- AWS C1.4M/C1.4, *Specification for Resistance Spot, Seam and Projection Welding* (new standard); comments due February 2, 1999.
- AWS D16.3, *Risk Assessment Guide for Robotic Welding* (new standard); comments due February 19, 1999.
- AWS D16.4, *Qualification Standard for AWS Certified Robotic Arc Welding Personnel* (new standard); comments due February 19, 1999.
- CAGI ADF 500-1998, *Measurement of Absorption Capacity of Oil Vapor Removal Absorbent Filters* (new standard); comments due February 2, 1999.
- ISA S75.08, *Face-to-Face Dimensions for Flanged Clamp of Pinch Valves* (new standard); comments due February 19, 1999.
- MH16.1-1997, *Specification for the Design, Testing, and Utilization of Industrial Steel Storage Racks - 1997 Edition and Commentary* (new standard); comments due February 19, 1999.
- NECA 100, *Symbols for Electrical Construction Drawings* (new standard); comments due February 2, 1999.
- UL 13, *Standard for Safety for Power-Limited Circuit Cables* (new standard); comments due February 2, 1999.

The following international standards are currently in coordination (comment due dates follow each entry):

- 56/651/FDIS, *Dependability management - Part 3-11: Application guide - Reliability centered maintenance* - January 15, 1999.
- ISO/DIS 10077-2, *Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames* - February 18, 1999.
- ISO/DIS 11602-1, *Fire protection - Portable and wheeled fire extinguishers - Part 1: Selection and installation* - February 18, 1999.
- ISO/DIS 13680, *Petroleum and natural gas industries - Corrosion resistant alloy seamless tubes for use as casing, tubing and coupling stock - Technical delivery conditions* - February 25, 1999.
- ISO/DIS 14042, *Environmental management - Life cycle assessment - Life cycle impact assessment* - February 11, 1999.
- ISO/DIS 14043, *Environmental management - Life cycle assessment - Life cycle interpretation* - February 4, 1999.
- ISO/DIS 15324, *Corrosion of metals and alloys - Evaluation of stress corrosion cracking by the drop evaporation test* - February 25, 1999.
- prEN 149 REVIEW, *Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking* - March 22, 1999.
- prEN 764-2, *Pressure equipment - Part 2: Quantities, symbols and units* - March 22, 1999.
- prEN 852-1 REVIEW, *Plastics piping systems for the transport of water intended for human consumption - Migration assessment - Part 1: Determination of migration values of plastics pipes and fittings and their joints* - April 5, 1999.
- prEN 12412-4, *Thermal performance of windows, doors and shutters - Determination of thermal transmittance by hot box method - Part 4: Roller shutter boxes* - April 5, 1999.
- prEN 12952-10, *Water-tube boilers - Part 10: Requirements for safeguards against excessive pressure* - April 5, 1999.
- prEN 12953-10, *Shell boilers - Part 10: Requirements for feedwater and boiler water quality* - April 5, 1999.

- prEN 13369, *Common rules for precast concrete products* - March 22, 1999.
- prEN ISO 13506, *Protective clothing against heat and flame - Test method for complete garments - Prediction of burn injury using an instrumented manikin (ISO/DIS 13506:1998)* - February 22, 1999.
- prHD 637 S1, *Power installations exceeding 1 kV a.c. (for information)*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:

(the due date for all items is January 10, 1999).

- New Standard, *Guide for Design, Fabrication, and Installation of Nuclear Fuel Dissolution Facilities* (Formerly C 1062-86(1990)).
- New Standard, *Practice for Determining the Integrity of Field Seams Used in Joining Flexible Polymeric Sheet Geomembranes* (Formerly D 4437-84(1988)).
- New Standard, *Practice for the Ion Exchange Separation of Uranium and Plutonium Prior to Isotopic Analysis* (Ref. Z3239Z).
- New Standard, *Practice for Tests to Evaluate the Chemical Resistance of Geotextiles to Liquid* (Ref. Z3511Z).
- New Standard, *Practice for Microwave Oven Dissolution of Glass Containing Radioactive and Mixed Wastes* (Ref. Z4602Z).
- New Standard, *Test Method for Specific Gravity and Absorption of Rock for Erosion Control* (Ref. Z6758Z).
- New Standard, *Guide for Documenting the Results of Particle Penetration Testing of Protective Clothing Materials* (Ref. Z7294Z).
- New Standard, *Guide for Field Preservation of Ground-Water Samples* (Ref. Z7328Z).
- New Standard, *Test Method for Uranium Analysis in Natural and Waste Water by X-Ray Fluorescence* (Ref. Z7343Z).
- New Standard, *Specification for Compostable Plastics* (Ref. Z7402Z).
- Provisional Standard, *Test Methods for Determination of Fracture Toughness of Advanced Ceramics at Ambient Temperatures* (Formerly PS 70-97).
- E 170-98, *Terminology Relating to Radiation Measurements and Dosimetry* (revised standard).

- F 1930, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Simulations Using an Instrumented Manikin* (new standard).

The following newly published standards are available from ASTM:

- A 984-98, *Specification for Steel Line Pipe, Black, Plain-End, Electric-Resistance-Welded* (new standard).
- A 988-98, *Specification for Hot Isostatically-Pressed Stainless Steel Flanges, Fittings, Valves, and Parts for High-Temperature Service* (new standard).
- C 1374-97, *Test Method for Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation* (new standard).
- C 1383-98, *Test Method for Measuring the P-Wave Speed and the Thickness of Concrete Plates Using the Impact-Echo Method* (new standard).
- C 1386-98, *Specification for Precast Autoclaved Aerated Concrete (PAAC) Wall Construction Units* (new standard).
- D 396-98, *Specification for Fuel Oils* (revised standard).
- D 1356-98, *Terminology Relating to Sampling and Analysis of Atmospheres* (revised standard).
- D 3685/D 3685M-98, *Test Methods for Sampling and Determination of Particulate Matter in Stack Gases* (revised standard).
- D 6232-98, *Guide for Selection of Sampling Equipment for Waste and Contaminated Media Data Collection Activities* (new standard).
- D6273-98, *Test Methods for Natural Gas Odor Intensity* (new standard).
- E 1895-97, *Guide for Determining Uses and Limitations of Deterministic Fire Models* (new standard).
- E 1903-97, *Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process* (new standard).
- E 1918-97, *Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field* (new standard).
- E 1930-97, *Test Method for Examination of Liquid-Filled Atmospheric and Low-Pressure Metal Storage Tanks Using Acoustic Emission* (new standard).
- E 1943-98, *Guide for Remediation of Ground Water by Natural Attenuation at Petroleum Release Sites* (new standard).
- E 1946-98, *Practice for Measuring Cost Risk of Buildings and Building Systems* (new standard).
- E 1966-98, *Test Method for Fire Resistive Joint Systems* (new standard).
- PS 93-98, *Provisional Specification for Fabricated Shapes and Finished Parts Fabricated from Polyimide Resins* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Air-Conditioning & Refrigeration Institute

Office: 4301 North Fairfax Drive, Suite 425
Arlington, VA 22203-1627

Fax: 703-528-3816

Contact: Stephen Sanders, ssanders@ari.org

- ISO 13256-1, *Water-Source Heat Pumps - Testing and Rating for Performance: Part 1 - Water-to-Air and Brine-to-Air Heat Pumps* (new standard).

American Society for Testing and Materials

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: Tim Brooke, tbrooke@astm.org

- ASTM Z7550Z, *Terminology Relating to Non-Ferrous Metals and Alloys* (new standard).

American Welding Society (AWS)

Office: 550 NW LeJeune Road
Miami, FL 33126

Contact: Charles Fassinger, chuck@aws.org

- AWS B2.1-4-217, *Standard Welding Procedure Specification (WPS) Gas Tungsten Arc Welding of Chromium-Molybdenum Steel (M-4/P-4/S-4, Group 1 or 2) ER80S-B2 1/8 through 1/2 in. thick, As-Welded Condition 1/8 through 3/4 in. thick, PWHT Condition Primarily Pipe Application* (new standard).

Electronic Industries Alliance

Office: 2500 Wilson Boulevard
Suite 300

Arlington, VA 22201-3834

Fax: 703-907-7501

Contact: Cecelia M. Williams, cwilliams@eia.org

- TIA/EIA PN-4357, *Low Voltage Supplemental Fuse Qualification Specification* (new standard).

Illuminating Engineering Society of North America

Office: 120 Wall Street, 17th Floor
New York, NY 10005-4001

Fax: 212-248-5017

Contact: Rita Harrold, rharrold@iesna.org

- IES RP7, *Recommended Practice on Industrial Lighting* (revision of ANSI/IES RP7-1990).

Underwriters Laboratories, Inc.

Office: 1655 Scott Boulevard
Santa Clara, CA 95050

Fax: 408-556-6045

Contact: Linda Phinney-George, georgel@ul.com

- UL 842, *Standard for Safety for Valves for Flammable Fluids* (revision of ANSI/UL 842-1992).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov.

Addresses: To update the distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

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